

Applicant Name Brady County Water and Sewer District
Project Name Brady Wastewater System Improvements

Proposal Abstract

This project is a public facilities project involving improvements to the wastewater treatment and collection systems for the community of Brady. The Montana Department of Environmental Quality (DEQ) has stated that the treatment system is out of compliance and is currently being referred to the Enforcement Division of DEQ.

The proposed project will solve several serious problems:

- The treatment system will be re-constructed to allow it to operate as per state requirements for a facultative lagoon thus reducing the discharge of partially or untreated effluent;
- Sludge will be removed; and
- The badly leaking collection system will be replaced.

The proposed improvements to the treatment system will reduce damage to plant and animal species as well as the environment from the discharge of inadequately treated wastewater to a coulee north of the lagoon. The proposed improvements include crop irrigation of the treated effluent. Sludge must be removed from the lagoons applied to the land to meet the U.S. Environmental Protection Agency (EPA) biosolids disposal permit and the Code of Federal Regulations (CFR) Part 503 requirements. The land application of the sludge, as well as irrigation of the treated effluent on agricultural land, provides a beneficial use by providing nutrients and water for crop production. The new collection system is needed in order to reduce the leakage of raw sewage to the groundwater system and prevent the infiltration of groundwater into the collection system.